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(19) **United States**(12) **Patent Application Publication**
Narayanan(10) **Pub. No.: US 2021/0265041 A1**(43) **Pub. Date: Aug. 26, 2021**(54) **INTELLIGENT META PACS SYSTEM AND SERVER***G06F 16/23* (2006.01)*G06F 21/62* (2006.01)(71) Applicant: **Krishnamurthy Narayanan**, New York, NY (US)(52) **U.S. CL.**CPC *G16H 30/20* (2018.01); *G16H 30/40* (2018.01); *G16H 40/20* (2018.01); *G06F 21/6218* (2013.01); *G16H 50/20* (2018.01); *G06F 16/2365* (2019.01); *G16H 15/00* (2018.01)(72) Inventor: **Krishnamurthy Narayanan**, New York, NY (US)(21) Appl. No.: **17/073,984**

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A system to transparently and efficiently coordinate a process across at least two independent Picture Archiving and Communication System (PACS) to allow interoperability of the PACS to acquire, retrieve, transmit, store and/or display medical images of patients. The system includes: (1) a rule engine defining a set of transformation rules for data related to the images; (2) a data unification and transformation engine identifying and resolving any conflict of the data, and tracking and assigning a unique super-identity or super-value to the data; (3) at least one database storing a list of the data and the tracking and assignment of the super-identities or super-values; (4) a security framework that controls access to the data; and (5) a control engine performing the process steps.

Example of a PACS system (Prior Art)